

ILLINOIS WEATHER & CROPS



**ILLINOIS
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**U. S. DEPARTMENT OF AGRICULTURE
ILLINOIS DEPARTMENT OF AGRICULTURE**



**NATIONAL OCEANIC AND
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CROPS

While the north half of the State remained relatively dry, the southern half was soaked by heavy rains. Some areas in the South reported ponds of water standing in the fields. The four districts in the South reported surplus moisture with the Southwest and Southeast Districts having reports of 70% or more as surplus. The five northern districts, on the other hand, reported 45% or greater shortage of moisture. Oat harvest has started at a slightly ahead of normal rate. Farmers have also been cultivating and walking beans, spraying insecticides, mowing and baling set-aside acres, baling hay and straw, and picking peaches. For the week of July 4-July 10, there was an average of four and one-quarter days reported as suitable for fieldwork. The Southeast, Southwest and East Southeast Districts reported one and one-half or less days as suitable.

On July 12, 83% of the **CORN** acreage was silked (tasseled) compared to 64% last year and the 5-year average (1982-86) of 33%. Ten percent of the corn was in the dough stage compared to 8% last year and the average of 4%. Condition of the corn crop on July 10 was reported to be 29% excellent, 65% good, 4% fair, and 2% poor.

On July 12, 80% of the **SOYBEAN** crop was blooming compared to 60% last year and the average of 41%. Thirty percent of the soybeans were setting pods compared to 18% last year and the average of 9%. Condition of the soybean crop on July 10 was reported to be 15% excellent, 80% good, 4% fair, and 1% poor.

OATS condition on July 10 was reported as 16% excellent, 57% good, 24% fair, and 3% poor. Ninety percent of the acreage was ripe, compared to 53% last year and the average of 35%. Thirty-five percent of the oats acreage was harvested, compared to 23% last year and the average of 13%.

Condition of the **SORGHUM** crop was rated as 17% excellent, 70% good, and 13% fair. Thirty percent of the sorghum acreage was headed compared to 11% last year.

The second cutting of **ALFALFA HAY** was 78% complete on July 12, compared to 48% last year and the average of 58%. Condition of the crop on July 10 was reported as 11% excellent, 59% good, 19% fair, 9% poor, and 2% very poor.

PASTURE condition on July 10 was reported to be 8% excellent, 41% good, 40% fair, 7% poor, and 4% very poor.

SOIL MOISTURE on July 10 was reported as 41% short, 37% adequate, and 22% surplus.

The **OUTLOOK** for the rest of July is for temperatures to be above normal and precipitation to be near normal.

The **90-DAY OUTLOOK** from July through September is for temperatures to be above normal and precipitation to be near normal.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

District	: Corn % : Soybeans : Days Suit- :			Soil		
	: silking : percent : able for :			Moisture Percent		
	:(tasseling): blooming : fieldwork :			Short	Adequate	Surplus
	: Week ending July 12			Week ending July 10		
Northwest	: 70	70	6.0	75	25	0
Northeast	: 65	60	7.0	85	15	0
West	: 90	90	6.0	85	15	0
Central	: 95	95	5.0	45	55	0
East	: 85	90	5.5	55	45	0
West-Southwest	: 90	90	4.0	20	65	15
East-Southeast	: 95	80	1.5	0	65	35
Southwest	: 90	60	1.0	0	30	70
Southeast	: 65	60	1.5	0	20	80
State	: 83	80	4.25	41	37	22
5-Yr. Avg.	: 33	41				

PRELIMINARY DISTRICT PRECIPITATION AVGS. AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
June	2.28	2.11	2.05	2.74	3.19	2.36	4.37	3.75	3.33
Departure	-2.10	-2.00	-2.48	-1.31	-0.98	-1.84	0.11	-0.29	-0.58

JUNE WEATHER SUMMARY

The Statewide average monthly **TEMPERATURE** was 2.9 degrees above normal as temperatures ranged from 1 to 6 degrees above normal. The warmest portion of the State was in the Northeast (near Aurora) and in the Southeast (near Mattoon). The coolest area was in a small area in the Northwest District (near Pawpaw), and in the West-Southwest District (near Jerseyville). The month started with temperatures near normal. The coolest period came during the first week and sent the minimum temperature readings into the 40's and 50's. The remainder of the month was above normal except for a few brief cool spells. The warmest period occurred during midmonth and sent the maximum readings to the 100-degree mark and several new records were set. Cairo, in the Southwest District, recorded a high of 100 degrees on the 14th.

PRECIPITATION averaged below normal in the State (-1.37 inches below normal). This was the 8th straight month that most of the districts were below normal. The northern districts and the western districts were 2 inches below normal, while the southern districts were slightly below normal. The East-Southeast District was slightly above normal. The largest below normal variation was in the West District (-2.48 inches below normal). Rainfall was widely scattered during the month. Goreville, in the Southwest District, received the most rainfall during the month (5.74 inches). The area near Jacksonville, in the West-Southwest District, only received a total of .24 of an inch of rain during June.

WEATHER

PRECIPITATION WAS HIGHLY VARIABLE AROUND ILLINOIS DURING THE PAST WEEK. A FEW EXCESSIVE TOTALS IN THE 3 TO 4 INCH CATEGORY OCCURRED AND TOTALS OF 1 TO 2 INCHES WERE COMMON IN A BAND THAT STRETCHED FROM WEST SOUTHWEST TO EAST-CENTRAL ILLINOIS. MOST RAINS OCCURRED IN CONCENTRATED DOSES WITH HEAVY THUNDERSTORMS SO THE NET VALUE OF THE MOISTURE RECEIVED WAS REDUCED BY RUNOFF. OUTSIDE OF THOSE THUNDERSTORM AREAS RAIN AMOUNTS OF A QUARTER TO HALF INCH WERE MORE TYPICAL.

TEMPERATURE: INTENSE HEATING PUT STRESS ON CROPS DURING THE WEEK WHILE MAINTAINING HIGH EVAPORATIVE POTENTIAL. AVERAGE TEMPERATURES WERE 2 OR 3 DEGREES ABOVE NORMAL IN THE SOUTH AND 3 TO 6 DEGREES ABOVE NORMAL IN THE NORTH. EXTREME HIGHS REACHED THE LOW TO MID-90'S AND AVERAGE MAXIMUMS EVEN AVERAGED 90 AT MANY LOCATIONS. OVERNIGHT LOWS AVERAGED CLOSE TO 70 AND THE ACCUMULATION OF BASE 50 GROWING DEGREE DAYS FOR THE WEEK RANGED MOSTLY BETWEEN 185 AND 205.

THE **EXTENDED FORECAST** CALLS FOR A COLD FRONT MOVING INTO THE STATE AT THE BEGINNING OF THE NEW WEEK PROMISES MORE MODERATE CONDITIONS IN THE NEXT THREE TO FIVE DAYS. HIGH TEMPERATURES WILL GRADUALLY WORK BACK FROM THE 70'S TO THE 80'S BY THE END OF THE WEEK. LOWS WILL BE AS LOW AS THE 50'S IN THE NORTH BEFORE RETURNING GENERALLY TO THE 60'S ACROSS THE STATE BY FRIDAY. THE NEXT CHANCE OF THUNDERSTORMS IS NOT UNTIL FRIDAY AND THAT SHOULD BE LIMITED TO SOUTHERN ILLINOIS.

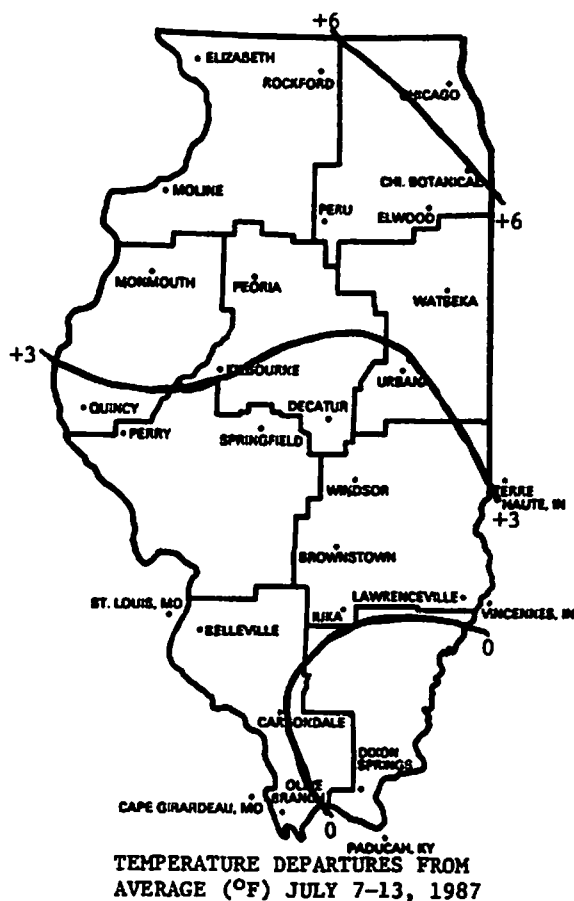
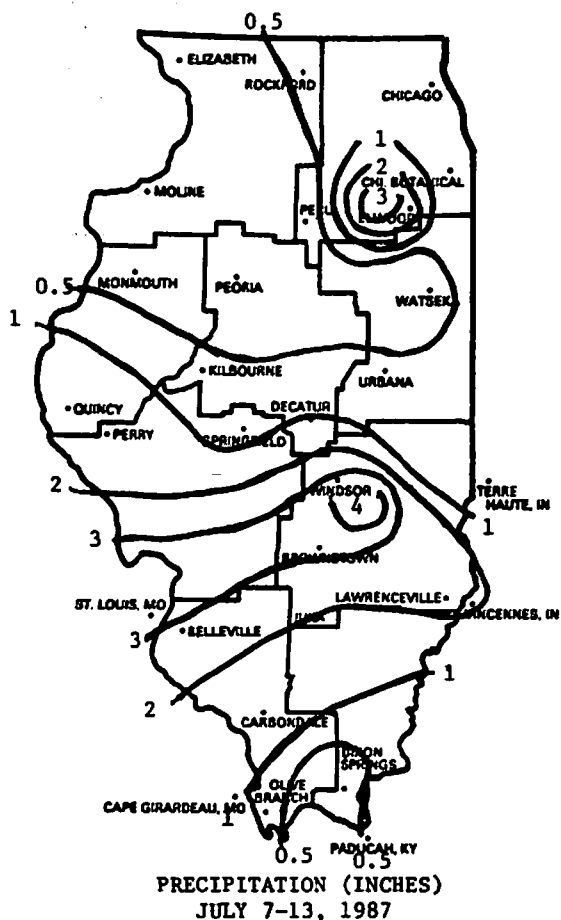
Week ending 8 A.M. Monday, July 13, 1987

Location	Temperatures				Precipitation		Growing Degree Days(50F)		
	:Maxi-	:Mini-	:Depar-	:Curr.:	:Since:	:Departure	:Curr.:	:Since:	:Departure
	:mum	:mum	:ture	:week	:May 1:	:since May 1:	:week	:May 1:	:since May 1
ELIZABETH	87	67	5	0.20	5.54	-4.52	190	1385	193
ROCKFORD	87	69	5	0.69	7.92	-2.42	195	1485	306
CHICAGO	91	71	8	0.62	5.52	-3.33	205	1517	357
CHI BOTANICAL	89	70	5	0.59	7.48	-1.61	199	1385	112
ELWOOD	88	69	5	3.05	8.29	-1.52	197	1517	315
WATSEKA	87	67	3	0.22	6.94	-3.76	189	1529	222
PERU	89	69	4	0.06	7.17	-2.45	198	1533	187
MOLINE	90	70	5	0.34	5.35	-5.26	198	1623	313
PEORIA	89	69	4	0.46	5.52	-3.91	198	1616	290
KILBOURNE	89	69	3	0.65	6.29	-3.64	196	1680	254
MONMOUTH	88	68	3	0.27	4.54	-5.12	192	1572	216
QUINCY	87	68	1	1.27	8.08	-2.11	192	1683	267
PERRY	88	63	0	1.25	6.11	-3.48	176	1562	104
SPRINGFIELD	88	70	2	0.31	8.23	-0.38	200	1721	270
DECATUR	87	68	1	1.40	9.88	-0.49	194	1684	237
URBANA	86	67	2	0.56	6.09	-3.28	189	1642	267
WINDSOR	84	64	-1	4.53	8.01	-2.12	176	1679	229
TERRE HAUTE	89	68	3	0.96	13.37	3.44	194	1667	280
ST LOUIS	89	72	NA	3.82	10.27	NA	207	1863	NA
BELLEVILLE	88	69	1	2.29	11.37	2.11	197	1776	253
BROWNSTOWN	90	70	3	2.43	8.12	-2.14	200	1764	300
IUKA	89	68	0	1.81	10.91	1.32	192	1699	176
LAWRENCEVILLE	89	68	NA	2.46	10.30	NA	193	1720	NA
VINCENNES	88	68	1	1.43	12.59	2.55	195	1716	244
DIXON SPRINGS	89	70	0	0.55	11.33	1.27	200	1789	172
PADUCAH	90	72	2	0.15	6.98	-3.49	206	1885	256
OLIVE BRANCH	89	71	2	0.07	9.33	-1.13	203	1837	262
CARBONDALE	88	68	0	0.26	10.01	0.07	194	1757	202
C GIRARDEAU	90	71	NA	1.41	12.96	NA	203	1876	NA

NEWSPAPER TIME VALUE

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CROP INFORMATION in this report is provided voluntarily by county officials of Extension Service and SCS, and agribusiness managers. Additional WEATHER INFORMATION is provided by the Illinois State Water Survey, IDE&NR, Champaign, Ill.; and National Weather Service Cooperative Observers, NOAA, Rosemont, Ill.